

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	2	"810437".apn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 18:09
S3	44	("20020002389" "20020115939" "20030055461" "20030074029" "4291699" "4674518" "5328460" "5643327" "5861008" "5957861" "6314322" "6409675" "6438408" "6494832" "6512949" "6512952" "6572557" "6622045" "6628988" "6643546" "6645153" "6711439").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 19:38
S4	479	(607/4).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/22 19:38
S5	1572	(607/5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/22 19:38
S6	1616	(607/9).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/22 19:38
S7	183	(607/6).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/22 19:39
S8	684	((607/17) or (607/18)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/22 19:39
S9	142	("607"/\$.ccls.) and "diastolic volume"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 19:57
S10	3	("607"/\$.ccls.) and (ventricle with "maximum volume")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 19:46

## EAST Search History

S11	518	("607"/\$.ccls.) and (ventricle with volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:36
S13	50	("20020002389" "20020115939" "20030055461" "20030074029" "20040172080" "4291699" "4674518" "5328460" "5643327" "5861008" "5957861" "6070100" "6314322" "6409675" "6438408" "6494832" "6512949" "6512952" "6539261" "6572557" "6622045" "6628988" "6643546" "6645153" "6711439").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 19:44
S14	65	(607/24).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/22 19:45
S15	3	("607"/\$.ccls.) and (ventricle\$ with "maximum volume")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 19:46
S16	518	("607"/\$.ccls.) and (ventricle\$ with volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 19:46
S17	220	"diastolic volume" and impedance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 19:48
S18	147	"diastolic volume" and impedance and "heart failure"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 19:55
S19	51	("20020188206" "20030167012" "20050203428" "3340867" "3340867" "3835840" "3835840" "4326539" "4450527" "4450527" "4562843" "4582843" "4807638" "4905705" "5025784" "5109863" "5178154" "5309917" "5309917" "5423326" "5423326" "5433073" "5578291" "5617869" "5824029" "6048319" "6647289" "6648828" "6652466" "RE30101").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 19:52

## EAST Search History

S20	2	("6370424").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/22 19:52
S21	78	"diastolic volume" same impedance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 19:55
S22	19	"EDV" same impedance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 19:56
S23	47	(S21 or S22) and "heart failure"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 19:56
S24	2563	(volume same "heart failure")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 19:56
S25	337	S24 and ("diastolic volume" or "EDV" or "EDZ")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 20:02
S26	56	("3871359"   "4112953"   "4303075"   "4399820"   "4436092"   "4476874"   "4535774"   "4590944"   "4686987"   "4730619"   "4733667"   "4802481"   "4813952"   "4974511"   "4995390"   "5003976"   "5007927"   "5081988"   "5094244"   "5137019"   "5139020"   "5154171"   "5174286"   "5184615"   "5235975"   "5259395"   "5318595"   "5324323"   "5383873"   "5417715"   "5417717"   "5423869"   "5423870"   "5464420"   "5480441"   "5498254"   "5507785"   "5531772"   "5542915"   "5549653"   "5562595"   "5824019"). PN. OR ("6314322").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/22 19:59
S27	229	((("607"/\$.ccls.) or ("600"/\$.ccls.)) and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 20:01

## EAST Search History

S28	304	S25 and ((ventricular or ventricles or ventricle) with volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 20:02
S29	266	S25 and implant\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 20:02
S30	99	((("diastolic volume" or "EDV" or "EDZ") with (threshold or compar\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 20:03
S31	71	((("end-diastolic-volume" or "EDV" or "EDZ") with (threshold or compar\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 20:03
S32	99	S30 or S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 12:17
S33	2	administration.ti. and therapy.ti. and physiologic.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 12:28
S34	99	("3131689"   "3320946"   "3851641"   "3949736"   "4291699"   "4303075"   "4458694"   "4587975").PN. OR ("4674518").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/23 12:28
S35	109	salo-rodney\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:30
S36	80	S35 and volume	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 12:29
S37	67	S35 and volume and impedance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 12:32

## EAST Search History

S38	52	S35 and volume and impedance and "heart failure"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 12:34
S39	20	S35 and(volume same impedance) and "heart failure" and "ejection"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 12:35
S40	4	S35 and(volume same impedance) and "heart failure" and "pre-ejection"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 12:35
S41	2	("5174286").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/23 16:24
S42	33	("3713449"   "4141367"   "4226245"   "4337776"   "4364396"   "4674518"   "4686987"   "4697591"   "4719921"   "4721110"   "4850357"   "4865036"   "4899750"   "4926862"   "5003975"   "5058583").PN. OR ("5174286").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/23 16:26
S43	2	("4868987").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/23 16:26
S44	193	((("end diastolic volume" or "end-diastolic-volume" or "end-diastolic volume" or "diastolic volume" or "EDV" or "LVEDV") same ("heart failure" or "CHF" or worsening)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:45
S45	226	((("end diastolic volume" or "end-diastolic-volume" or "end-diastolic volume" or "diastolic volume" or "EDV" or "LVEDV") same ("heart failure" or "CHF" or progression or regression or progressing or regressing or worsening)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:35
S46	226	S44 or S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:39

## EAST Search History

S47	1594	((("ventricular ejection fraction" or "ejection fraction" or "EF" or "LVEF") same ("heart failure" or "CHF" or progression or regression or progressing or regressing or worsening)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:38
S48	109	("607"/\$.ccls.) and S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:11
S49	15548	((("ventricular ejection fraction" or "ejection fraction" or "EF" or "LVEF") same volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:38
S50	178	("607"/\$.ccls.) and S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:47
S51	195	bornzin-gene\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:40
S52	73	park-euljoon\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:40
S53	225	S51 or S52	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:40
S54	110	S53 and volume	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:42
S55	47	S53 and (size or dimension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:40

## EAST Search History

S56	131	S54 or S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:40
S57	2	S53 and S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:42
S58	2	S53 and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:44
S59	19	("2002/0002389").URPN.	USPAT	OR	ON	2007/05/23 16:42
S60	12	("end diastolic volume" or "end-diastolic-volume" or "end-diastolic volume" or "diastolic volume" or "EDV" or "LVEDV") and S53	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:48
S61	932	("607"/\$.ccis.) and (chamber with (size or dimension or volume))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 16:47
S62	44	("end diastolic volume" or "end-diastolic-volume" or "end-diastolic volume" or "diastolic volume" or "EDV" or "LVEDV") and S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 17:46
S63	6	("5154171" "6070100" "6278894").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:08
S65	16	("20030018363" "20040172078" "20050027320" "20050209648" "6070101" "6360127" "6473645" "6542775" "6885889").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:09
S66	6	S65 and volume	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:09

## EAST Search History

S67	156	("607"/\$.ccls.) and ((diastole or diastolic) adj3 volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:12
S68	69	("607"/\$.ccls.) and (("end-diastole" or "end-diastolic") adj3 volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:12
S69	141	("607"/\$.ccls.) and (("end diastole" or "end diastolic") adj3 volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:13
S70	141	S68 or S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:12
S71	156	S68 or S69 or S67	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:13
S72	480	("600"/\$.ccls.) and ((diastole or diastolic) adj3 volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:12
S73	164	("600"/\$.ccls.) and (("end-diastole" or "end-diastolic") adj3 volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:12
S74	341	("600"/\$.ccls.) and (("end diastole" or "end diastolic") adj3 volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:13
S75	608	S68 or S69 or S67 or S72 or S73 or S74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:13
S77	394	S75 and ("heart failure" or "myocardial failure" or "congestive heart failure" or "CHF")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:17



## EAST Search History

S78	15	S77 and "pre-ejection"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:15
S79	1	S77 and "preejection"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:15
S80	15	S77 and "pre ejection"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:15
S81	15	S78 or S79 or S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:15
S82	36	S75 and ("pre-ejection" or "preejection" or "pre ejection")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/23 18:18
S83	27	("3773033"   "3831590"   "3841313"   "3908639"   "3920004").PN. OR ("4203451").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/23 18:18
S84	48	("4303075"   "4928688"   "5501702").PN. OR ("6070100").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 16:17
S85	103	(607/23).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/25 17:41
S86	103	(607/20).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/25 16:17
S87	8	("20010012953"   "20010021864"   "20010034540"   "20010049543"   "4686987"   "5154171"   "5720768"   "6070100").PN. OR ("7215996").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 16:20
S88	39	(S84 or S87) and volume	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 16:23

## EAST Search History

S89	7	(S84 or S87) and ((end or diastole or diastolic) adj3 volume)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 16:54
S90	60	("4674518"   "4686987"   "5036849"   "5190035"   "5235976"   "5501702"   "5540727"   "5836976").PN. OR ("6278894").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 16:52
S91	1406	(600/547).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/25 16:52
S92	6	S90 and ((end or diastole or diastolic) adj3 volume)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 17:41
S93	2	("20030233132").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/25 16:53
S94	44	("3593718"   "4009721"   "4114628"   "4140132"   "4228803"   "4291699"   "4399820"   "4543954"   "4686987"   "4708143"   "4733667"   "4773401"   "4856522"   "4895151"   "4899752"   "4925443"   "5003975"   "5025784"   "5109842").PN. OR ("5235976").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 16:54
S95	5	S94 and ((end or diastole or diastolic) adj3 volume)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 16:55
S96	2	("5,154,171").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/25 16:55
S97	1085	((("600"/\$.ccls.) or ("607"/\$.ccls.)) and ((end or diastole or diastolic) adj3 volume)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 11:58
S98	4023	((("600"/\$.ccls.) or ("607"/\$.ccls.)) and ((end or diastole or diastolic) with volume)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 17:42
S99	916	(S97 or S98) and ("heart failure" or "CHF" or "myocardial failure" or "cardiac failure")	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 17:43
S100	443	S97 and ("heart failure" or "CHF" or "myocardial failure" or "cardiac failure")	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 17:44

## EAST Search History

S10 1	421	S100 and (compar\$4 or track\$4 or progress\$4 or regress\$4 or worsen\$4 or improv\$4 or trend\$4 or threshold)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 17:45
S10 2	298	S100 and ((compar\$4 or track\$4 or progress\$4 or regress\$4 or worsen\$4 or improv\$4 or trend\$4 or threshold) same (failure or "CHF"))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 17:45
S10 3	346	S100 and ((compar\$4 or track\$4 or progress\$4 or regress\$4 or worsen\$4 or improv\$4 or trend\$4 or threshold) same (volume or "EDV"))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 17:46
S10 4	192	S100 and ((compar\$4 or track\$4 or progress\$4 or regress\$4 or worsen\$4 or improv\$4 or trend\$4 or threshold) with (volume or "EDV"))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 17:48
S10 5	194	S100 and ((compar\$4 or track\$4 or progress\$4 or regress\$4 or worsen\$4 or improv\$4 or trend\$4 or threshold) with (volume or "EDV" or "LVEDV"))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 17:48
S10 6	183	S100 and ((compar\$4 or track\$4 or progress\$4 or regress\$4 or worsen\$4 or improv\$4 or trend\$4 or threshold) with (diastolic or "end-diastolic" or diastole or "EDV" or "LVEDV"))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 17:48
S11 2	33	("3713449"   "4141367"   "4226245"   "4337776"   "4364396"   "4674518"   "4686987"   "4697591"   "4719921"   "4721110"   "4850357"   "4865036"   "4899750"   "4926862"   "5003975"   "5058583").PN. OR ("5174286"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/07 18:34
S11 3	32	S112 and (impedance or volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/07 18:38
S11 4	35	reidel.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/07 18:35
S11 5	15	S112 and ((diastolic or diastole or ventric\$5) with volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/07 18:38
S11 6	2936	((("600"/\$.ccls.) or ("607"/\$.ccls.)) and "heart failure" and volume	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:16

## EAST Search History

S11 7	668	S116 and (("heart failure" or "CHF") same ("end diastolic" or "end systolic" or "end-diastolic" or "end-systolic" or "stroke volume" or "stroke-volume" or "ejection fraction" or "EDV" or "ESV" or "SV" or "EF"))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:04
S11 8	455	S117 and (("heart failure" or "CHF") same (severity or progress\$5 or regress\$5 or worse\$5 or track\$4 or trend\$4 or degrees))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:04
S11 9	703	S116 and (("heart failure" or "CHF" or failure) same ("end diastolic" or "end systolic" or "end-diastolic" or "end-systolic" or "stroke volume" or "stroke-volume" or "ejection fraction" or "EDV" or "ESV" or "SV" or "EF"))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:04
S12 0	739	S116 and (("heart failure" or "CHF" or failure or cardiomyopathy) same ("end diastolic" or "end systolic" or "end-diastolic" or "end-systolic" or "stroke volume" or "stroke-volume" or "ejection fraction" or "EDV" or "ESV" or "SV" or "EF"))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:06
S12 1	708	S120 and (severity or progress\$5 or regress\$5 or worse\$5 or track\$4 or trend\$4 or degrees)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:05
S12 2	510	S120 and (("heart failure" or "CHF" or failure or cardiomyopathy) same (severity or progress\$5 or regress\$5 or worse\$5 or track\$4 or trend\$4 or degrees))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:06
S12 3	533	("600"/\$.ccls.) and (("heart failure" or "CHF" or failure or cardiomyopathy) same ("end diastolic" or "end systolic" or "end-diastolic" or "end-systolic" or "stroke volume" or "stroke-volume" or "ejection fraction" or "EDV" or "ESV" or "SV" or "EF"))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:06
S12 4	99	("128"/\$.ccls.) and (("heart failure" or "CHF" or failure or cardiomyopathy) same ("end diastolic" or "end systolic" or "end-diastolic" or "end-systolic" or "stroke volume" or "stroke-volume" or "ejection fraction" or "EDV" or "ESV" or "SV" or "EF"))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:35
S12 5	398	(S123 or S124) and (("heart failure" or "CHF" or failure or cardiomyopathy) same (severity or progress\$5 or regress\$5 or worse\$5 or track\$4 or trend\$4 or degrees))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:09

## EAST Search History

S12 6	44	("4008712"   "4197845"   "4793362"   "4803625"   "4895163"   "4911175"   "4947862"   "5086781"   "5203344"   "5282840"   "5335667"   "5372141"   "5396886"   "5415176"   "5427113"   "5449000"   "5482035"   "5529072"   "5579782"   "5584291"   "5611351"   "5615689").PN. OR ("5788643"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:09
S12 8	7	S126 and (("heart failure" or "CHF" or failure or cardiomyopathy) same (severity or progress\$5 or regress\$5 or worse\$5 or track\$4 or trend\$4 or degrees))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:34
S12 9	1	S126 and (("heart failure" or "CHF" or failure or cardiomyopathy) same ("end diastolic" or "end systolic" or "end-diastolic" or "end-systolic" or "stroke volume" or "stroke-volume" or "ejection fraction" or "EDV" or "ESV" or "SV" or "EF"))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:10
S13 0	2	("20030055461").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/06/08 12:10
S13 1	5	S126 and (("heart failure" or "CHF" or failure or cardiomyopathy) with (severity or progress\$5 or regress\$5 or worse\$5 or track\$4 or trend\$4 or degrees))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:48
S13 2	7	S126 and (("heart failure" or "CHF" or failure or cardiomyopathy) with (severe or severity or progress\$5 or regress\$5 or worse\$5 or track\$4 or trend\$4 or degrees))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:49
S13 3	1941	((("600"/\$.ccls.) or ("607"/\$.ccls.) or (128/R.ccls.)) and (("heart failure" or "CHF" or failure or cardiomyopathy) with (severe or severity or progress\$5 or regress\$5 or worse\$5 or track\$4 or trend\$4 or degrees))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:34
S13 4	1941	((("600"/\$.ccls.) or ("607"/\$.ccls.) or (128/R.ccls.)) and (("heart failure" or "CHF" or failure or cardiomyopathy) with (severe or severity or progress\$5 or regress\$5 or worse\$5 or track\$4 or trend\$4 or degree))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:34

## EAST Search History

S13 5	496	S134 and (("heart failure" or "CHF" or failure or cardiomyopathy) same ("end diastolic" or "end systolic" or "end-diastolic" or "end-systolic" or "stroke volume" or "stroke-volume" or "ejection fraction" or "EDV" or "ESV" or "SV" or "EF" or "pre-load" or "preload" or "pre load"))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:47
S13 6	496	S134 and (("heart failure" or "CHF" or failure or cardiomyopathy) same ("end diastolic" or "end systolic" or "end-diastolic" or "end-systolic" or "stroke volume" or "stroke-volume" or "ejection fraction" or "EDV" or "ESV" or "SV" or "EF" or "pre-load" or "preload" or "pre load" or "LVEDV"))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:48
S13 7	1059	((("600"/\$.ccls.) or ("607"/\$.ccls.) or (128/R.ccls.)) and ((increas\$5 or decreas\$5) with ("end diastolic" or "end systolic" or "end-diastolic" or "end-systolic" or "stroke volume" or "stroke-volume" or "ejection fraction" or "EDV" or "ESV" or "SV" or "EF" or "pre-load" or "preload" or "pre load"))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:51
S13 8	479	S137 and (("heart failure" or "CHF" or failure or cardiomyopathy) same ("end diastolic" or "end systolic" or "end-diastolic" or "end-systolic" or "stroke volume" or "stroke-volume" or "ejection fraction" or "EDV" or "ESV" or "SV" or "EF" or "pre-load" or "preload" or "pre load" or "LVEDV"))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:48
S13 9	294	S138 and (("heart failure" or "CHF" or failure or cardiomyopathy) with (severity or progress\$5 or regress\$5 or worse\$5 or track\$4 or trend\$4 or degrees))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:48
S14 0	343	S138 and (("heart failure" or "CHF" or failure or cardiomyopathy) same (sever or severity or progress\$5 or regress\$5 or worse\$5 or track\$4 or trend\$4 or degrees))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:49
S14 1	371	S138 and (("heart failure" or "CHF" or failure or cardiomyopathy) same (severe or severity or progress\$5 or regress\$5 or worse\$5 or track\$4 or trend\$4 or degrees))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:49

## EAST Search History

S14 2	321	S138 and (("heart failure" or "CHF" or failure or cardiomyopathy) with (severe or severity or progress\$5 or regress\$5 or worse\$5 or track\$4 or trend\$4 or degrees))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:49
S14 3	371	S141 or S142	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:49
S14 4	58	("3702113"   "4082084"   "4695955"   "4803625"   "4857716"   "5007429"   "5341291"   "5348008"   "5410471"   "5416695"   "5435315"   "5442728"). PN. OR ("6171237").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:51
S14 5	4	S144 and ((increas\$5 or decreas\$5) with ("end diastolic" or "end systolic" or "end-diastolic" or "end-systolic" or "stroke volume" or "stroke-volume" or "ejection fraction" or "EDV" or "ESV" or "SV" or "EF" or "pre-load" or "preload" or "pre load"))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:51
S14 6	12	S144 and ("end diastolic" or "end systolic" or "end-diastolic" or "end-systolic" or "stroke volume" or "stroke-volume" or "ejection fraction" or "EDV" or "ESV" or "SV" or "EF" or "pre-load" or "preload" or "pre load")	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 12:53